

Please type a plus sign (+) inside this box → ☐

Based on PTO/SB/05

OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **01-528**

First Inventor or Application Identifier **SUZUKI et al.**

Title **SEMICONDUCTOR DEVICE AND METHOD OF  
MANUFACTURING THE SAME**

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents  
Mail Stop Patent Application  
Alexandria, VA 22313-1450

U.S. PTO  
22386  
10/729955

120903

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **49**]

-Descriptive title of the Invention  
-Cross Reference to Related Applications  
-Background of the Invention  
-Summary of the Invention  
-Brief Description of the Drawings  
-Detailed Description of the Preferred Embodiment  
-Claims  
-Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **28**]

4. Oath or Declaration [Total Sheets **4**]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63 (d))  
(for continuation/divisional with Box 16 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT  
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))  
Assignee: **DENSO CORPORATION**
8. ☐ 37 C.F.R. § 3.73(b)  
Statement (when there is an assignee) ☐ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(should be specifically itemized)
13. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application,  
(PTO/SB/09-12) Status still proper and desired
14. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Other: .....

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

**23400**

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name

Address

City

Country

State

Zip Code

Telephone

**(703) 707-9110**

Fax

**(703) 707-9112**

Name (Print/type)

**DAVID G. POSZ**

Registration No. (Attorney/Agent)

**37,701**

Signature

*[Signature]*

Date

**December 9, 2003**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop Patent Application, Arlington, VA 22202.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**900**

## Complete if Known

Application Number  
Filing Date **December 9, 2003**  
First Named Inventor **SUZUKI et al.**  
Examiner Name  
Art Unit  
Attorney Docket No. **01-528**

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account

Deposit Account Number  
Deposit Account Name

**50-1147**

**POSZ & BETHARDS, PLC**

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1001	770	2001	385
1002	340	2002	170
1003	530	2003	265
1004	770	2004	385
1005	160	2005	80
		Utility filing fee	<b>770</b>
		Design filing fee	
		Plant filing fee	
		Reissue filing fee	
		Provisional filing fee	

SUBTOTAL (1) (\$)**770**

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20**=	X	
25	5	18	90
Multiple Dependent	-3**=	X	
2	0	86	0

Large Entity		Small Entity		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**90**

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
1805	1,840*	1805	1,840*
		Surcharge - late filing fee or oath	
		Surcharge - late provisional filing fee or cover sheet	
		Non-English specification	
		For filing a request for <i>ex parte</i> reexamination	
		Requesting publication of SIR prior to Examiner action	
		Requesting publication of SIR after Examiner action	
1251	110	2251	55
1252	420	2252	210
1253	950	2253	475
1254	1,480	2254	740
1255	2,010	2255	1005
1401	330	2401	165
1402	330	2402	165
1403	290	2403	145
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,330	2453	665
1501	1,330	2501	665
1502	480	2502	240
1503	640	2503	320
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	770	2809	385
1810	770	2810	385
1801	770	2801	385
1802	900	1802	900
		Extension for reply within first month	
		Extension for reply within second month	
		Extension for reply within third month	
		Extension for reply within fourth month	
		Extension for reply within fifth month	
		Notice of Appeal	
		Filing a brief in support of an appeal	
		Request for oral hearing	
		Petition to institute a public use proceeding	
		Petition to revive - unavoidable	
		Petition to revive - unintentional	
		Utility issue fee (or reissue)	
		Design issue fee	
		Plant issue fee	
		Petitions to the Commissioner	
		Processing fee under 37 CFR 1.17(q)	
		Submission of Information Disclosure Stmt	
		Recording each patent assignment per property (times number of properties)	<b>40</b>
		Filing a submission after final rejection (37 CFR § 1.129(a))	
		For each additional invention to be examined (37 CFR § 1.129(b))	
		Request for Continued Examination (RCE)	
		Request for expedited examination of a design application	

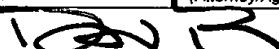
Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)**40**

## SUBMITTED BY

Name (Print/Type) **DAVID G. POSZ** Registration No. (Attorney/Agent) **37,701** Telephone **(703) 707-9110**  
Signature  Date **December 9, 2003**

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.